ABSTRACT

A simulation is used to determine the effect of additional users on a communications system, such as a slotted wireless communications system. Users are sequentially added and determinations are made as to whether criteria for the additional user fall within predetermined limits. If the criteria are met, the user is accepted by the simulation and a power balancing is performed for all users. The simulation is repeated for each additional user. If the parameters are not within predetermined limits, the user is dropped. The simulation presents the system in a series of "snapshots" of communications activity.